

Message Text

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ACTION EUR-25

INFO OCT-01 ISO-00 CIAE-00 PM-07 INR-10 L-03 NSAE-00 PA-04

RSC-01 PRS-01 SP-03 USIA-15 TRSE-00 SAJ-01 SS-20

NSC-07 ACDA-19 SCI-06 AEC-11 MC-02 EB-11 NEA-10 DRC-01

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R 301507Z APR 74

FM USMISSION NATO

TO SECDEF WASHDC

SECSTATE WASHDC 5432

INFO JCS WASHDC

DA WASHDC

CNO WASHDC

CSAF WASHDC

USNMR SHAPE

USCINCEUR VAIHINGEN

ALL NATO CAPITALS 3940

C O N F I D E N T I A L SECTION 1 OF 2 USNATO 2346

E.O. 11652: GDS, 12-31-80

TAGS: MARR, NATO

SUBJECT: REPORT ON CONFERENCE OF NATIONAL ARMAMENTS DIRECTORS (CNAD)

MEETING, SHAPE HEADQUARTERS, 25 APRIL 1974

SECDEF FOR ODDR&E (CAPT F. CARRIER), OASD(I&L) (MR D. DUFFE), &
OASD(ISA). CNO FOR OP-07. CSAF FOR AFRDPSI & AFRDQ. DA FOR
DARD-PPL.

REFS: A. ADDENDUM ATO AGENDA AC/259-A/13,5 APR 74.

B. USNATO 2345

C. AC/259-D/334 (MCM-35-73).

BEGIN SUMMARY. MESSAGE SUMMARIZES JOINT MEETING OF CNAD WITH
SACEUR AND STAFF AT SHAPE 25 APR 74. HEAVY EMPHASIS PLACED ON
NECESSITY FOR STANDARDIZATION WITHIN THE ALLIANCE. END SUMMARY.
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1. THE CNAD HELD SECOND DAY OF THE CONFERENCE AT SHAPE (REF A).
THE COMBINED CNAD/SHAPE MEETING INCLUDED SEVERAL SHAPE PRESENTA-
TIONS.

A. THE FIRST PRESENTATION WAS A CONFLICT-ORIENTED SCENARIO

WITH SUCCESSIVE PHASES OF DETERRENCE, ELECTRONIC WARFARE, DIRECT DEFENSE, DELIBERATE ESCALATION, AND FINALLY ULTIMATE (NUCLEAR) RESPONSE. OF INTEREST TO THE US IN THIS PARTICULAR SCENARIO WERE, AMONG OTHER THINGS, THE URGENT NEED FOR AIRBORNE EARLY WARNING AND ANTI-ARMOR BARRIERS (CONSISTING OF MINES TO BE LAID REMOTELY AND AUTOMATICALLY), SEVERAL SPECIFIC NAVAL REQUIREMENTS, IMPROVED AIR MUNITIONS SUITABLE FOR NEUTRALIZING SHELTERED AIRCRAFT AND AIRFIELDS, AND A STAND-OFF (NUCLEAR) AIR-TO-SURFACE MISSILE.

B. THE NEXT PRESENTATION COVERED THE REQUIREMENT FOR GREATLY IMPROVED AUTOMATIC DATA PROCESSING (ADP). NATO HAS TODAY A VARIETY OF NATIONAL COMPUTERS; DATA TRANSFER BETWEEN NATIONS AND BETWEEN COMMANDS WITHIN NATO IS DIFFICULT. USNAD (DR. CURRIE) COMMENTED THAT THIS APPARENTLY IS NOT AN R&D PROBLEM, BUT RATHER PRIMARILY A MANAGEMENT PROBLEM. HE ASKED ABOUT A TIME TABLE FOR SOLVING THE PROBLEM. SHAPE RESPONDED THAT THERE IS A TECHNICAL PROBLEM IN THE DESIGN OF INTERFACE BUFFERS BETWEEN COMPUTERS. ALSO THERE IS A TIME TABLE FOR RESOLVING THE PROBLEMS. MR. PETRILLO (NATO INTERNATIONAL STAFF) ADDED THE INFORMATION THAT SATISFACTORY STANDARDIZATION OF THIS AREA IS PROJECTED FOR 1995; HOWEVER, THAT IS ONLY POSSIBLE IF WE DEFINE THE PARAMETERS NOW.

C. SHAPE PROVIDED AN EXCELLENT PRESENTATION ON THE ALLIED COMMAND EUROPE (ACE) ALLIED MOBILE FORCE (AMF). AN INTERESTING FACT ABOUT THE AMF-AIR (AMF-A) IS THAT WITH SEVEN COUNTRIES COMMITTED TO AMF-A, NATO ALSO HAS SEVEN DIFFERENT FIGHTER AIRCRAFT. THE BRIEFER STATED THAT WITH REASONABLE STANDARDIZATION IN THE AMF NATO COULD DEPLOY THE AMF IN HALF THE TIME WITH HALF THE AIRLIFT COMPARED TO WHAT IS POSSIBLE TODAY. IN TERMS OF MANPOWER THE AMF LOGISTICS UNITS COULD BE CUT IN HALF (300-MAN REDUCTION OUT OF 600) WITH REASONABLE STANDARDIZATION. THE AMF MAY BE CONSIDERED TO BE A MICROCOSM OF THE TOTAL ALLIANCE ARMED FORCES. GENERAL GOODPASTER SUMMARIZED THE MORNING SESSION WITH THE COMMENT THAT WE (THE ALLIANCE) ARE NOT GETTING A SATISFACTORY RETURN ON OUR INVESTMENT FOR OUR VAST EXPENDITURES; WE ARE LOSING AT LEAST 30 PERCENT AND IN SOME AREAS 50 PERCENT OF OUR CAPABILITY DUE TO LACK OF STANDARDIZATION.

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D. SHAPE VIEWS ON AIRBORNE WARNING AND CONTROL SYSTEM (AWACS) INCLUDED A BASIC SHAPE PRESENTATION WITH A DISPLAY OF MANY CHARACTERISTICS FAVORING AWACS WHICH ARE WELL KNOWN TO USNATO AND WASHINGTON. THE BRIEFING INCLUDED DESCRIPTION OF THE 1973 EUROPEAN DEMONSTRATION OF AWACS AND THREE GROUPS OF TASKS WITH EMPHASIS ON EIGHT QUOTE HIGH INTEREST UNQUOTE TASKS. THE SHAPE TECHNICAL CENTER (STC) GAVE AN EXCELLENT ANALYTICAL PRESENTATION. BECAUSE OF VARIOUS CONSTRAINTS, STC DID NOT CONDUCT AN IN-DEPTH ANALYSIS, BUT DID MAKE MAXIMUM USE OF EXISTING STC, NATO AND NATIONAL STUDIES. THE PRESENTATION EMPHASIZED THE VULNERABILITY OF EXISTING EARLY WARNING AND AIR DEFENSE RADAR SITES AND PROVIDED AN INTERESTING SCENARIO OF AWACS CAPABILITY/VULNERABILITY WITH THE SOVIET FOXBAT IN THE ADVERSARY ROLE.

E. THE ACE ELECTRONIC WARFARE (EW) BRIEFING WAS EXCELLENT.

THE BRIEFING TENDED TO CONFIRM IN GENERAL SOME OF THE FIGURES WHICH THE USNAD (DR. CURRIE) PRESENTED AT THE OCTOBER CNAD. FOR EXAMPLE, MORE THAN 2,000 NATO TACTICAL AIRCRAFT HAVE NO EW EQUIPMENT WHATSOEVER. FOR CLOSE-AIR-SUPPORT AIRCRAFT SUCH AS THE ALFA JET THERE ARE CURRENTLY NO PLANS FOR ECM. THERE WAS A STATEMENT OF SPECIFIC R&D OBJECTIVES IN ALL FORCES--AIR, NAVAL AND ALND. THE SHAPE PRESENTATION CONCLUDED WITH THE ACKNOWLEDGEMENT THAT CNAD ACTIVITIES ARE COMPATIBLE WITH SHAPE AND NATIONAL OBJECTIVES IN THE AREA OF EW.

2. FOR THE MOST PART, CNAD DISCUSSION OF THE TOPICS PRESENTED AT SHAPE OCCURRED THE FOLLOWING DAY AT NATO HQS AND IS REPORTED IN USNATO 2345 (REF B).

3. SUMMARY OF TWENTY-NINE (29) SACEUR OBJECTIVES FOR COOPERATION IN FUTURE RESEARCH AND DEVELOPMENT IS INCLUDED FOR REFERENCE. OBJECTIVES NUMBERED 1,2,7,9,12,15,17,18,21 AND 25 ARE RATED MOST URGENT BY SACEUR. OBJECTIVE NUMBER 19 HAS BEEN DELETED BY SHAPE. WITH THE EXCEPTION OF NO. 9 (AIR-TO-AIR WEAPONS SYSTEM), THE MILITARY COMMITTEE HAS INDORSED ALL OF THE ELEVEN MOST URGENT SACEUR OBJECTIVES AS THE BEST COORDINATED MILITARY INPUT FOR CNAD FUTURE EFFORTS (REF C). OBJECTIVES FOLLOW:

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ACTION EUR-25

INFO OCT-01 ISO-00 CIAE-00 PM-07 INR-10 L-03 NSAE-00 PA-04

RSC-01 PRS-01 SP-03 USIA-15 TRSE-00 SAJ-01 NEA-10

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USCINCEUR VAIHINGEN
ALL NATO CAPITALS 3941

C O N F I D E N T I A L SECTION 2 OF 2 USNATO 2346

OBJECTIVE NO.	SUBJECT
1	DETECTION \$ LOCATION OF ENEMY WEAPON SYSTEMS

AND LAUNCHER MECHANISMS

- 2 ANTI-ARMOUR WEAPONS SYSTEM
- 3 ANTI-ARMOUR BARRIER
- 4 LOGISTICS SUPPLY VEHICLE
- 5 GAP CROSSING CAPABILITY
- 6 CAMOFLAGE DEVICES
- 7 GROUND-BASED LOW-LEVEL AIR DEFENCE WEAPONS SYSTEM
- 8 AIRBORNE EARLY WARNING
- 9 AIR-TO-AIR WEAPONS SYSTEM
- 10 NEUTRALIZATION OF AIRFIELDS & SUPPORTING FACILITIES
- 11 NEUTRALIZATION OF RUNWAYS
- 12 DESTRUCTION OF SHELTERED AIRCRAFT
- 13 IFF (IDENTIFICATION FRIEND OR FOE)
- 14 HIGH-SPEED SHIPS & CRAFT

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- 15 SURFACE-TO-SURFACE MISSILE FOR SHIPS
- 16 POINT DEFENCE OF NAVAL VESSELS AGAINST AIR
& SHIP-LAUNCHED ANTI-SHIP MISSILES
- 17 ELECTRONIC WARFARE (EW) FOR FLEET PROTECTION
- 18 LONG-RANGE SUBMARINE DETECTION
- 19 DELETED
- 20 SECURE COMMUNICATIONS WITHIN HEADQUARTERS
- 21 DATA AND COMMUNICATIONS SYSTEMS INTERFACES
- 22 ADP TECHNICAL SECURITY
- 23 ADP SYSTEMS SURVIVABILITY
- 24 ADP INFORMATION STORAGE RETRIEVAL AND DISPLAY
WITHIN ACE CCIS
- 25 IMPROVED INTEROPERABILITY BETWEEN COMMUNICATIONS
SYSTEMS
- 26 STAND-OFF AIR-TO-SURFACE NUCLEAR MISSILE
- 27 SURFACE-TO-SURFACE NUCLEAR MISSILES FOR SHIPS
- 28 MEDIUM-RANGE BALLISTIC MISSILE
- 29 CHEMICAL DEFENCE
- 30 IDENTIFICATION OF BIOLOGICAL AEROSOLS.

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